

EMAP III Active Domain

1 TACCCCTGCCCTGAAAAAAGTGGCCAGCGCTGCCTACCCAGATCCCTCAAAGCAGAAGCC

61 AATGGCCAAAGGCCTGCCAAGAATTCAGAACCAGAGGAGGTCATCCCATCCCGGCTGGAT
1 E E V I P S R L D

121 ATCCGTGTGGGGAAAATCATCACTGTGGAGAAGCACCCAGATGCAGACAGCCTGTATGTA
10 I R V G K I I T V E K H P D A D S L Y V

181 GAGAAGATTGACGTGGGGGAAGCTGAACCACGGACTGTGGTGAGCGGCCTGGTACAGTTC
30 E K I D V G E A E P R T V V S G L V Q F

241 GTGCCCAAGGAGGAACTGCAGGACAGGCTGGTAGTGGTGCTGTGCAACCTGAAACCCAG
50 V P K E E L Q D R L V V V L C N L K P Q

301 AAGATGAGAGGAGTCGAGTCCCAAGGCATGCTTCTGTGTGCTTCTATAGAAGGGATAAAC
70 K M R G V E S Q G M L L C A S I E G I N

361 CGCCAGGTTGAACCTCTGGACCCTCCGGCAGGCTCTGCTCCTGGTGAGCACGTGTTTGTG
90 R Q V E P L D P P A G S A P G E H V F V

421 AAGGGCTATGAAAAGGGCCAACCAGATGAGGAGCTCAAGCCCAAGAAGAAAGTCTTCGAG
110 K G Y E K G Q P D E E L K P K K K V F E

481 AAGTTGCAGGCTGACTTCAAAATTTCTGAGGAGTGCATCGCACAGTGGAAGCAAACCAAC
130 K L Q A D F K I S E E C I A Q W K Q T N

541 TTCATGACCAAGCTGGGCTCCATTTCTGTAAATCGCTGAAAGGGGGGAACATTAGCTAG
150 F M T K L G S I S C K S L K G G N I S •

601 CCAGCCCAGCATCTTCCCCCTTCTTCCACCACTGA 636

Figure 1.

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Homology Comparison of EMAPIII vs. EMAPII

130 KGEKKEKKQOSIAGSADSKPIDVSRLDLRIGCIITARKHPDADSLYVEEV 179
 32 EEVIPSRLDIRVGKIITVEKHPDADSLYVEKI 63
 180 DVGEIAPRTVVVSGLVNHVPLEQMNRMVILLCNLKPAMRGVLSQAMVMC 229
 64 DVGEAEPRTVVVSGLVQFVPKEELQDRLVVVLCNLKPQKMRGVESQGMLLC 113
 230 ASSPE... KIEILAPPNGSVRGDRITFDAF. PGEPDKELNPKKKIWEQIQ 275
 114 ASIEGINROVEPLDPPAGSAPGEHVFVKGYEKGQPDEELKPKKKVFEKLO 163
 276 PDLHTNDECVATYKGVPFVKGKGVCRATMSNSGIK• 313
 164 ADFKISEECIAQWKQTNFMTKLGSIS. CKSLKGGNIS• 200

Figure 2

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